

MNFLLSWVHWSLALLLYLHHAKWSQAAPMAEGGGQNHHEVVKFMDVYQRSYCHPIE  
TLVDIFQEYPDEIEYIFKPSCVPLMRCGGCCNDEGLECVPTESNITMQIMRIKPHQGG  
HIGEMSFLQHNKCECRPKKDRARQEKC DKPRR

ATGAACTTTCTGCTGTCTTGGGTGCATTGGAGCCTTGCCTTGCTGCTCTACCTCCA  
CCATGCCAAGTGGTCCCAGGCTGCACCCATGGCAGAAGGAGGAGGGGCAGAATCA  
TCACGAAGTGGTGAAGTTCATGGATGTCTATCAGCGCAGCTACTGCCATCCAATCG  
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CCATCCTGTGTGCCCCTGATGCGATGCGGGGGGCTGCTGCAATGACGAGGGGCCTG  
GAGTGTGTGCCCCACTGAGGAGTCCAACATCACCATGCAGATTATGCGGATCAAAC  
CTCACCAAGGCCAGCACATAGGAGAGATGAGCTTCCTACAGCACAACAAATGTGA  
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TGA

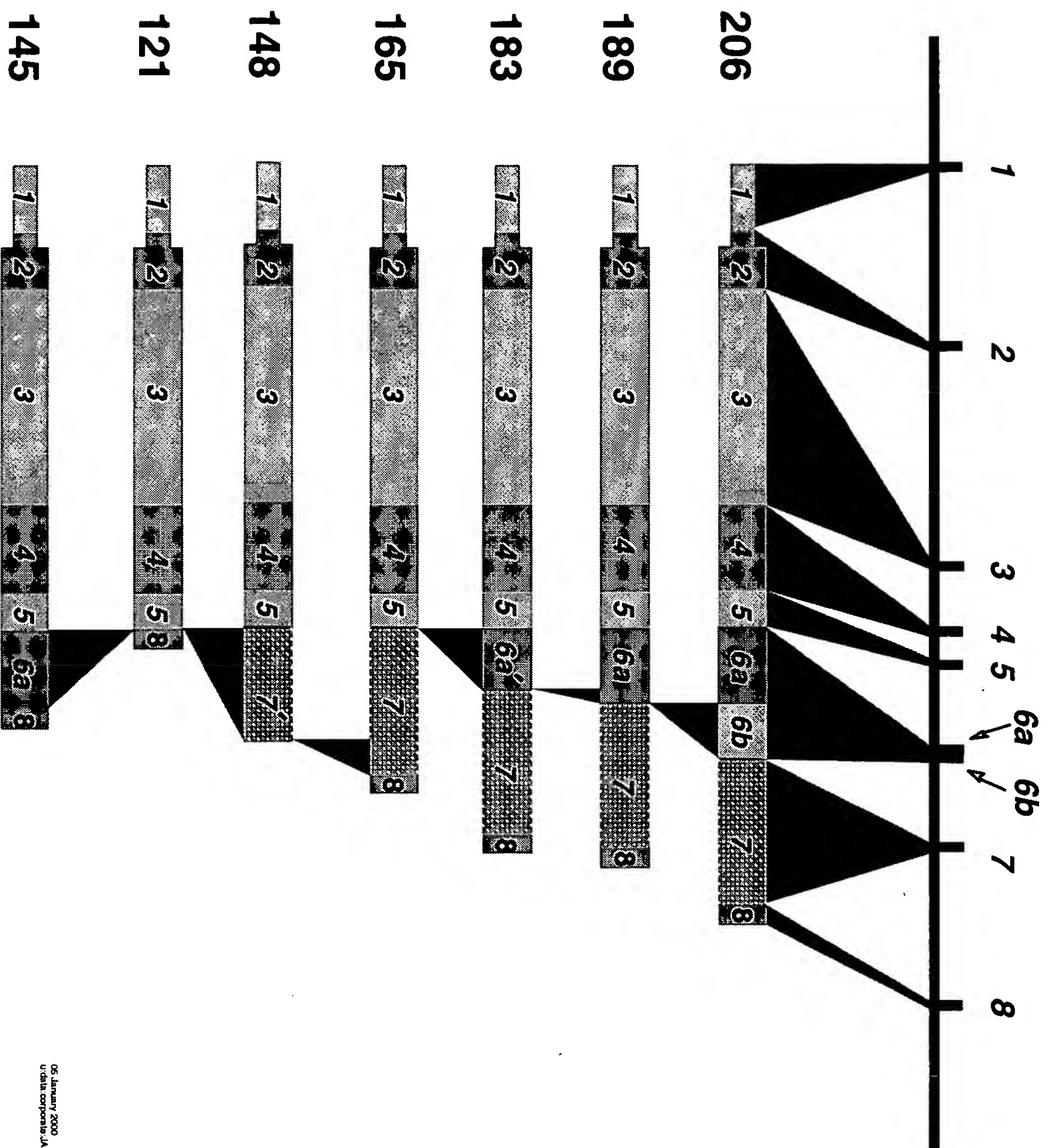


FIG. 2

# Is VEGF 121 Cys116 a Mixed Disulfide?

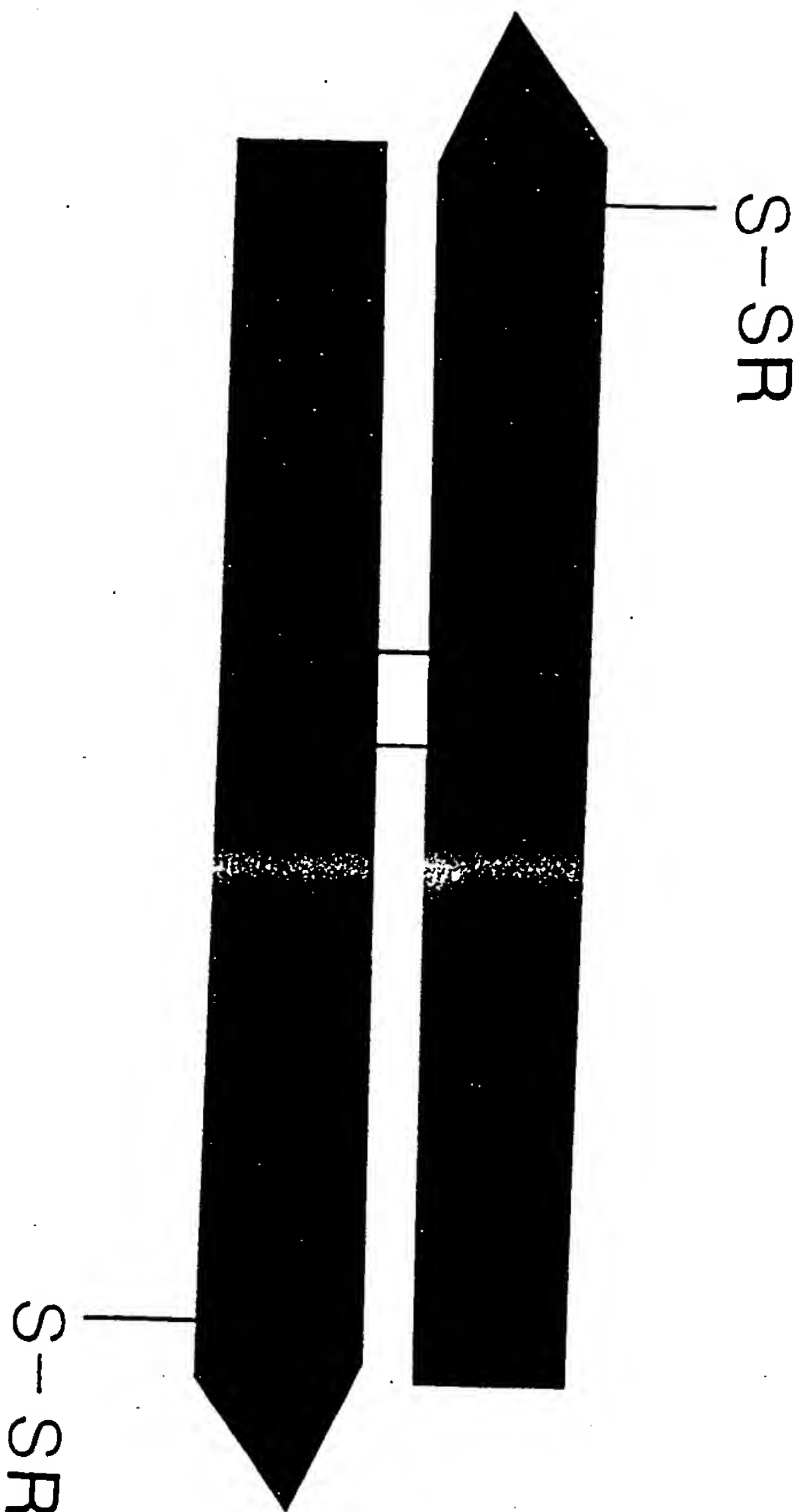


FIG. 3

# Is VEGF 121 Cys116 a Disulfide?

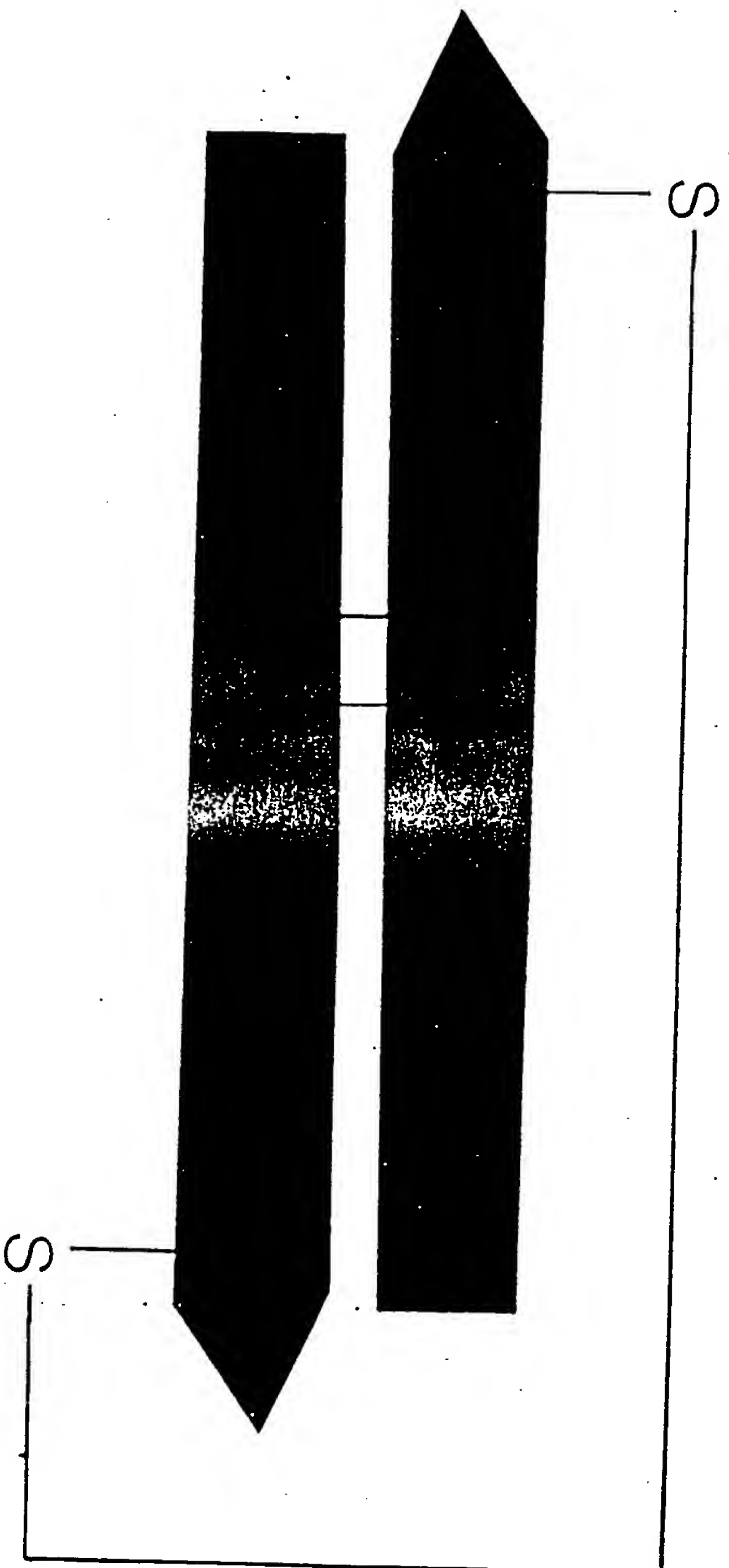


FIG. 4

# Is VEGF 121 Cys116 a Free Sulfhydryl?

↑  
unpaired

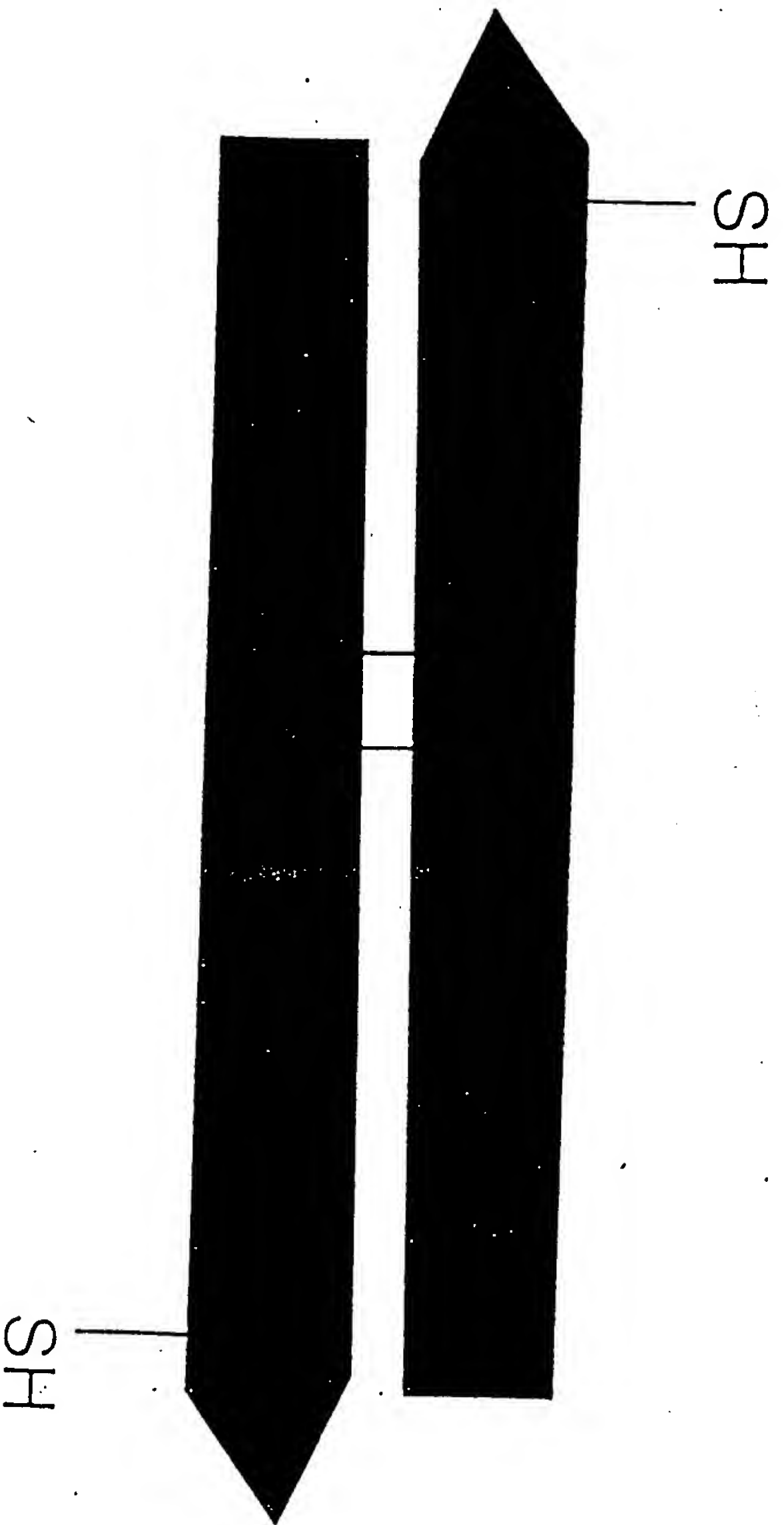
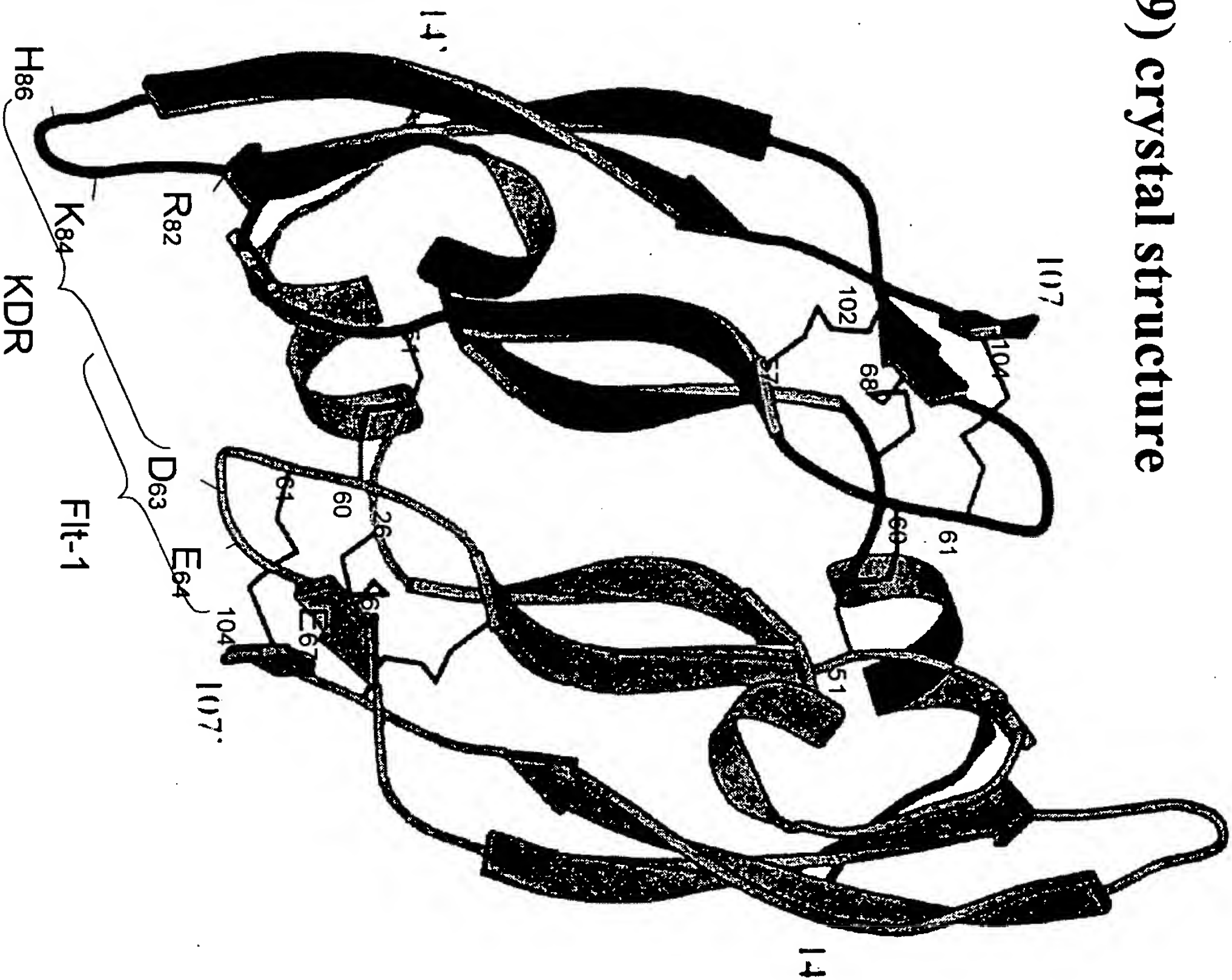


FIG. 5

# VEGF (8-109) crystal structure

- 104 - 61 } intra s-s
- 102 - 57 } intra s-s
- 26 - 68 }
- 51 - 60 } inter s-s
- 60 - 51 }



8-residue ring

104-s-s-61



102-s-s-57

pass through  
the ring

68-s-s-26

FIG. 6

Muller, Y.A. et al. PNAS, v94, p.7192, 1997

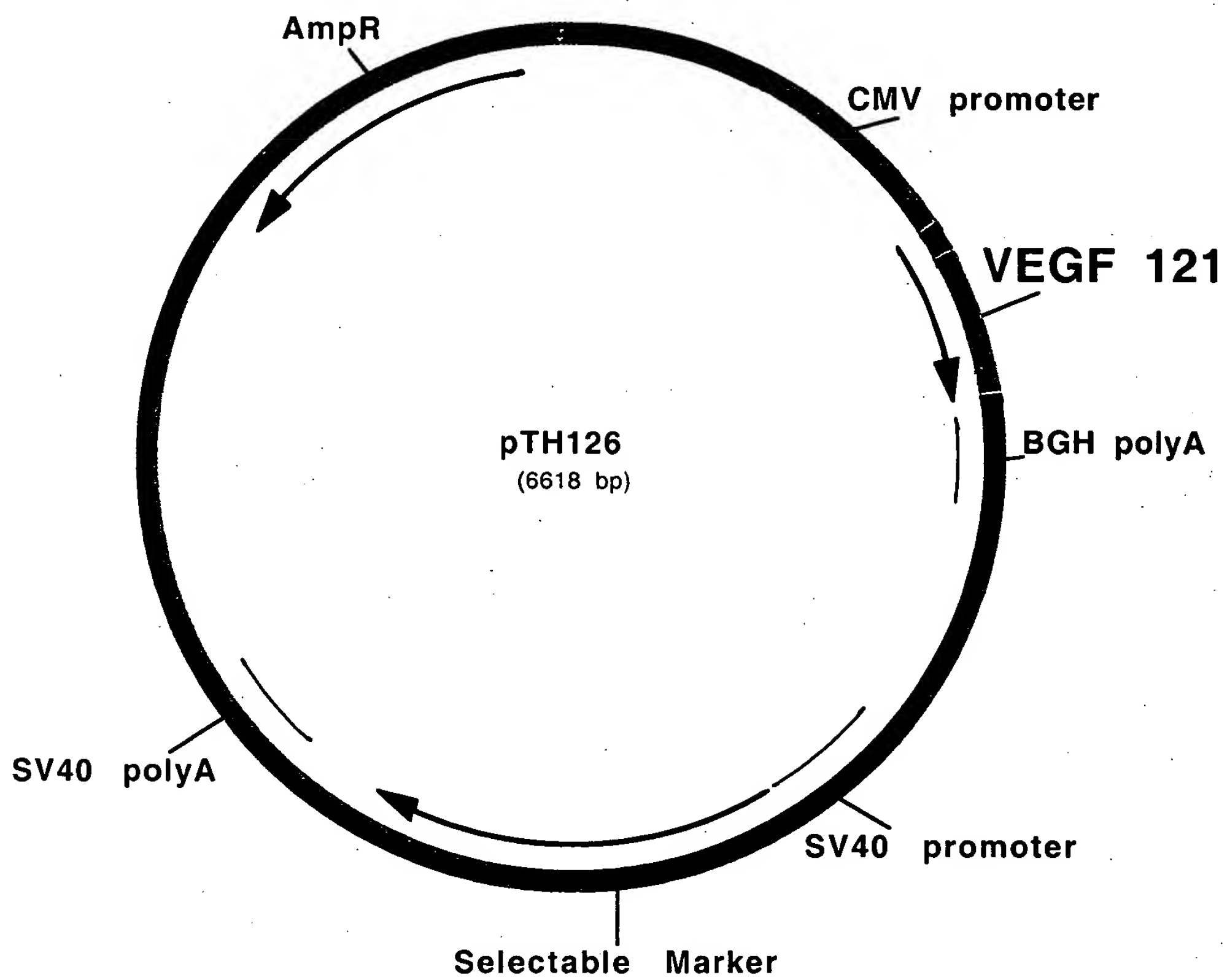


FIG. 7

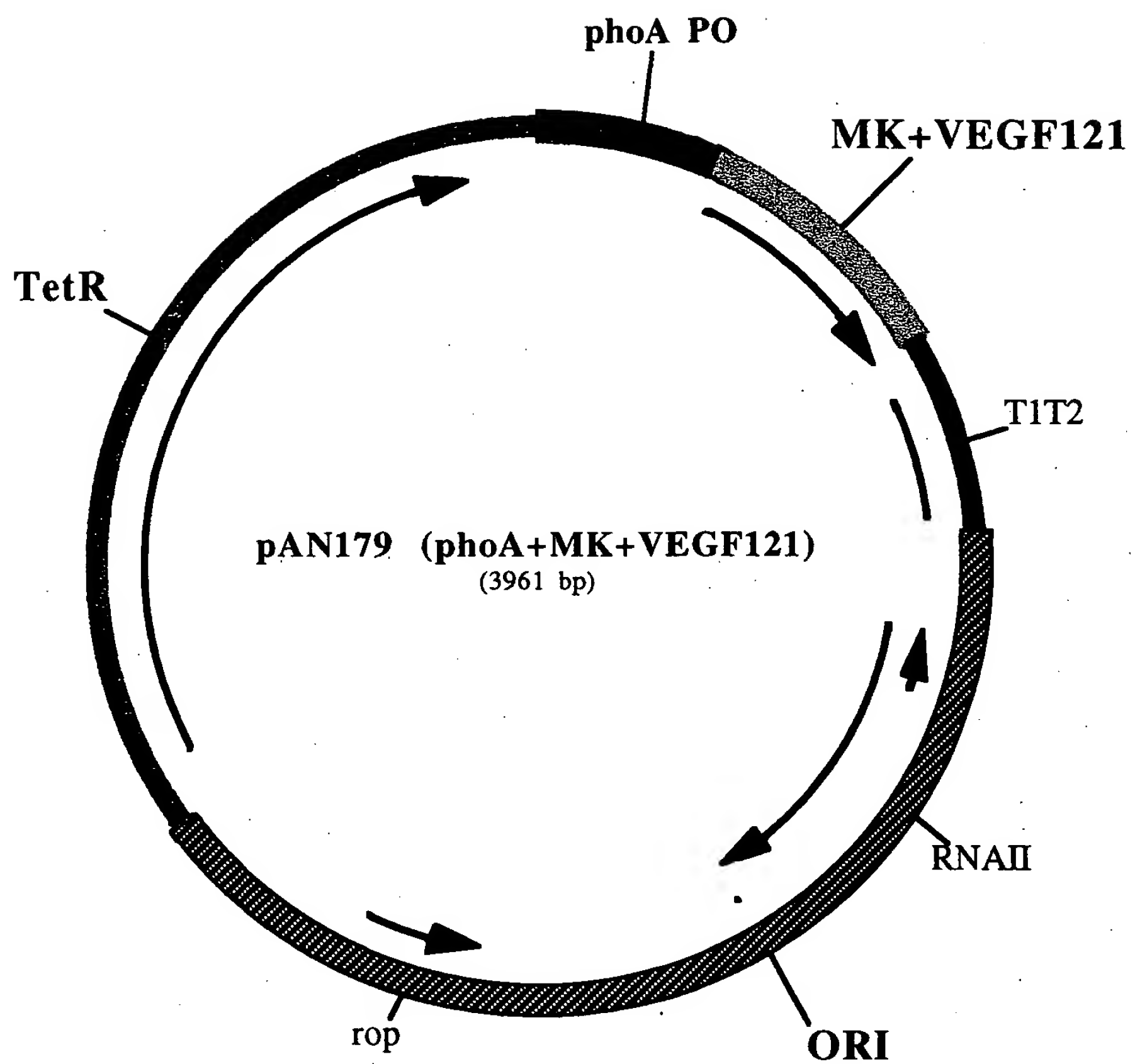


FIG. 8



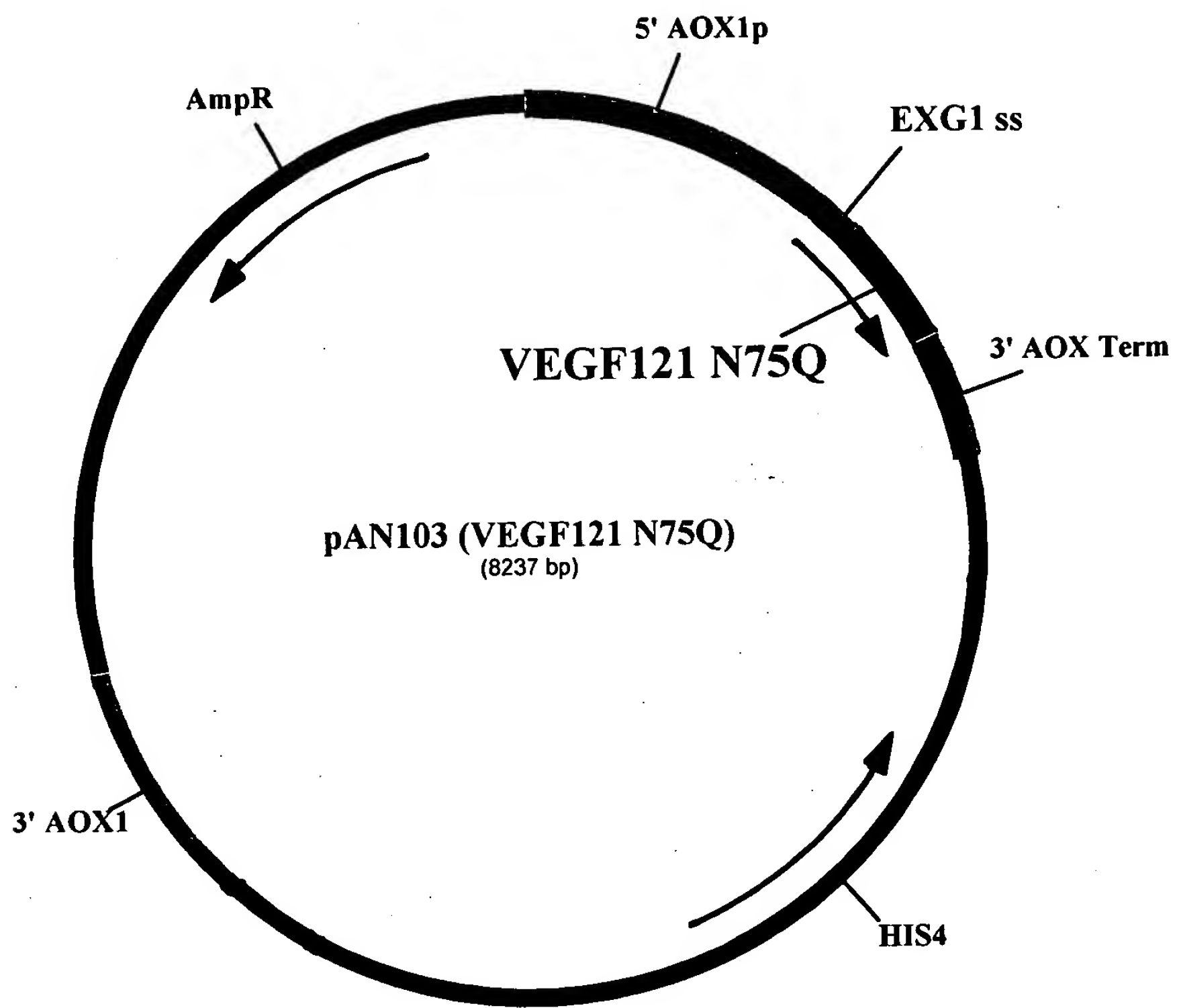


FIG. 9

Absorbance

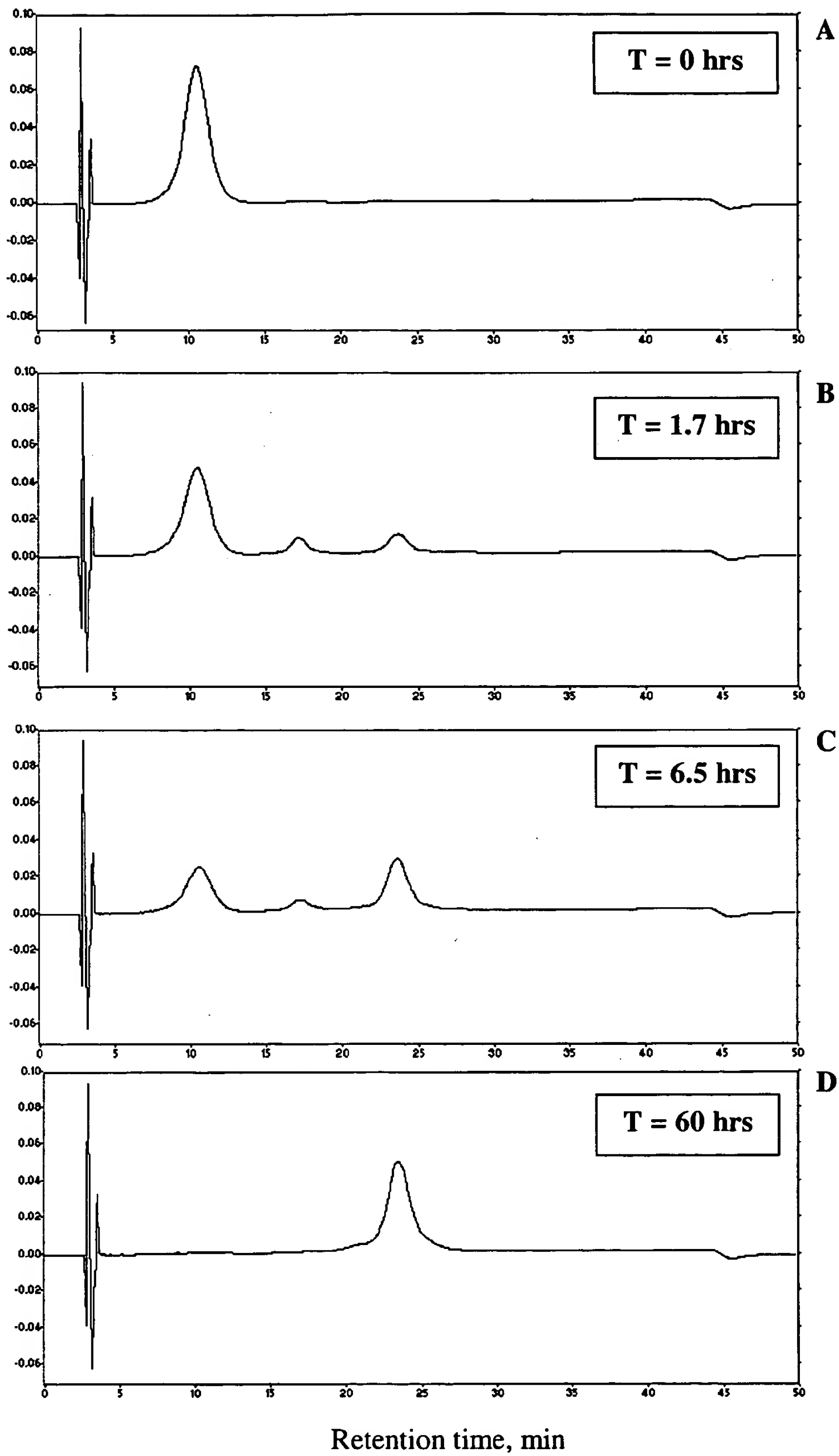
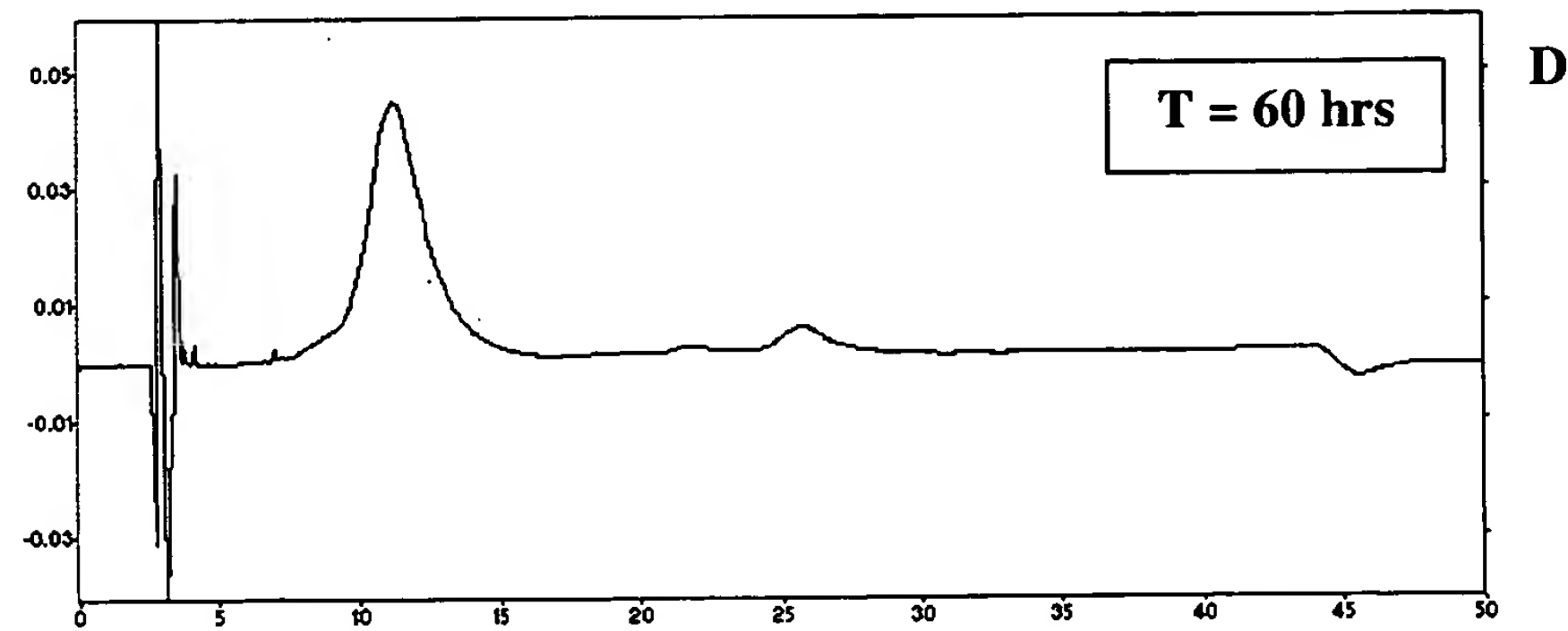
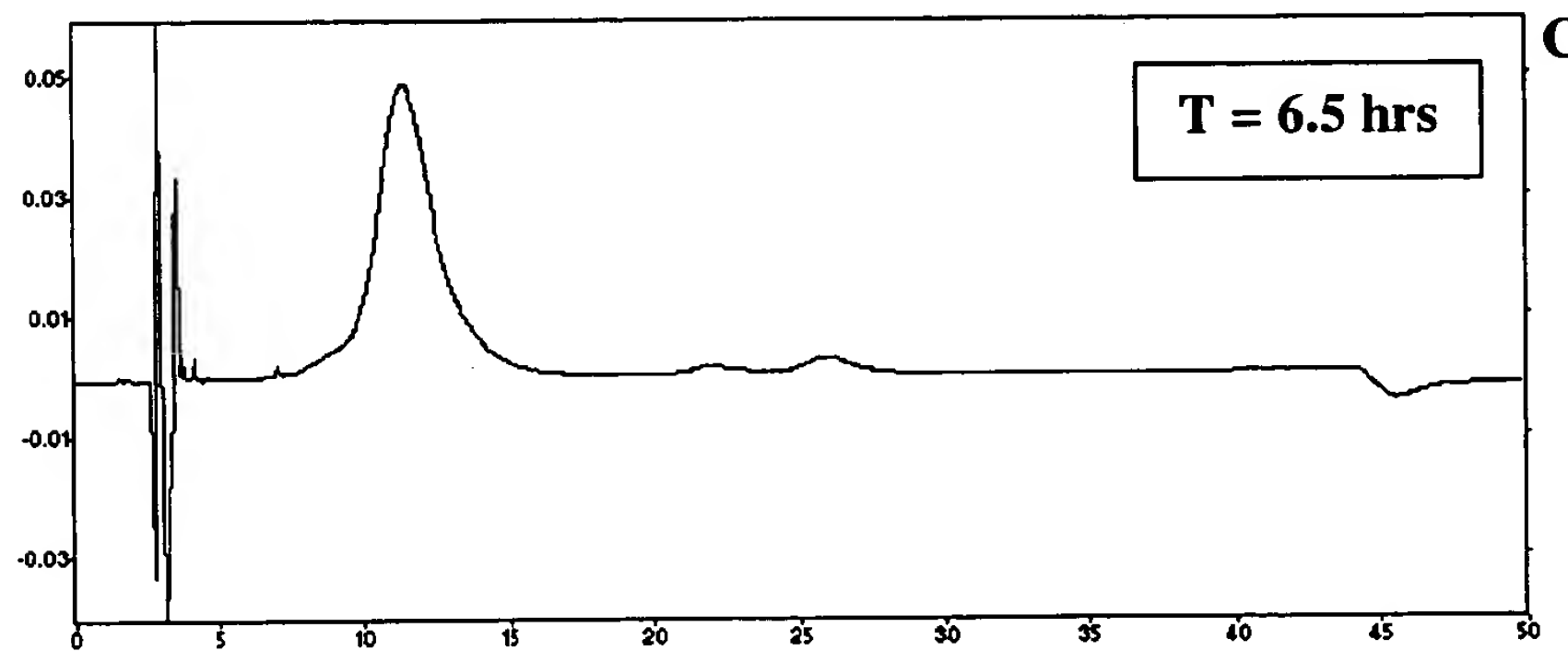
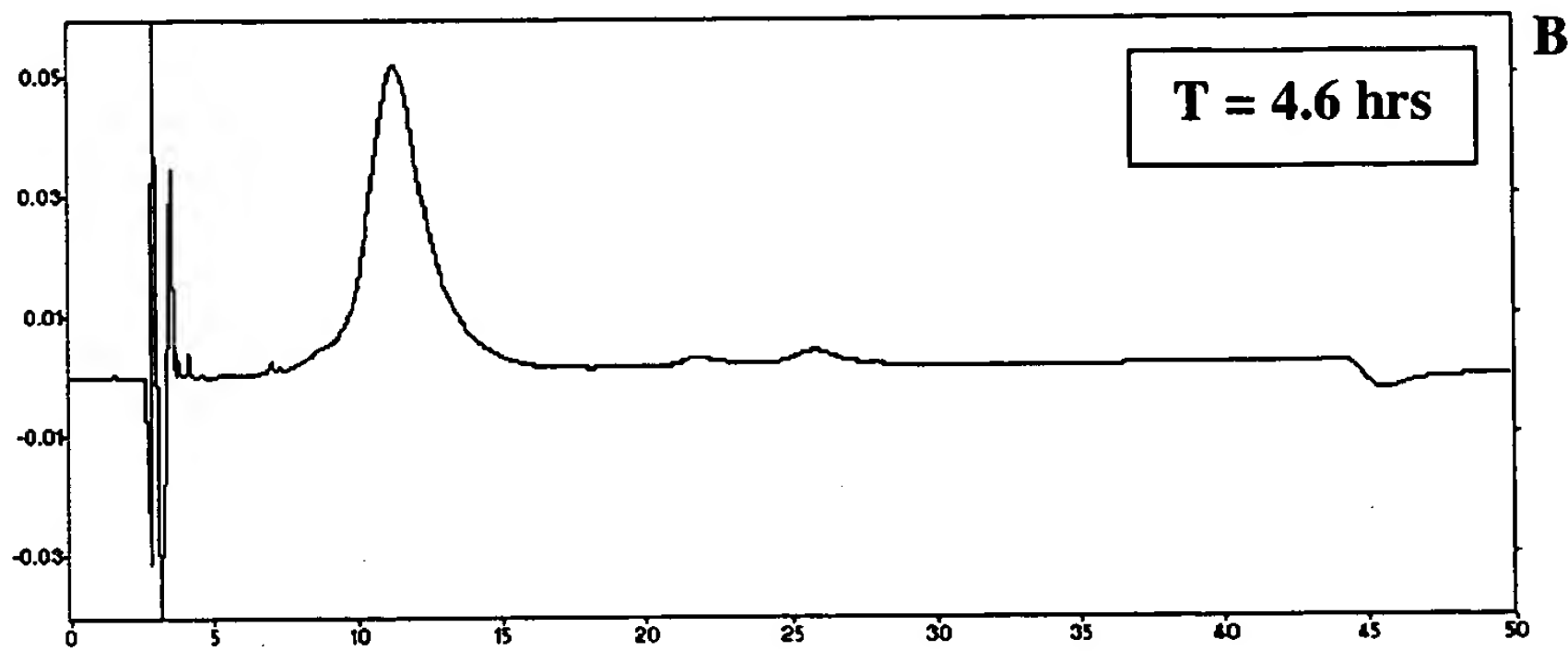
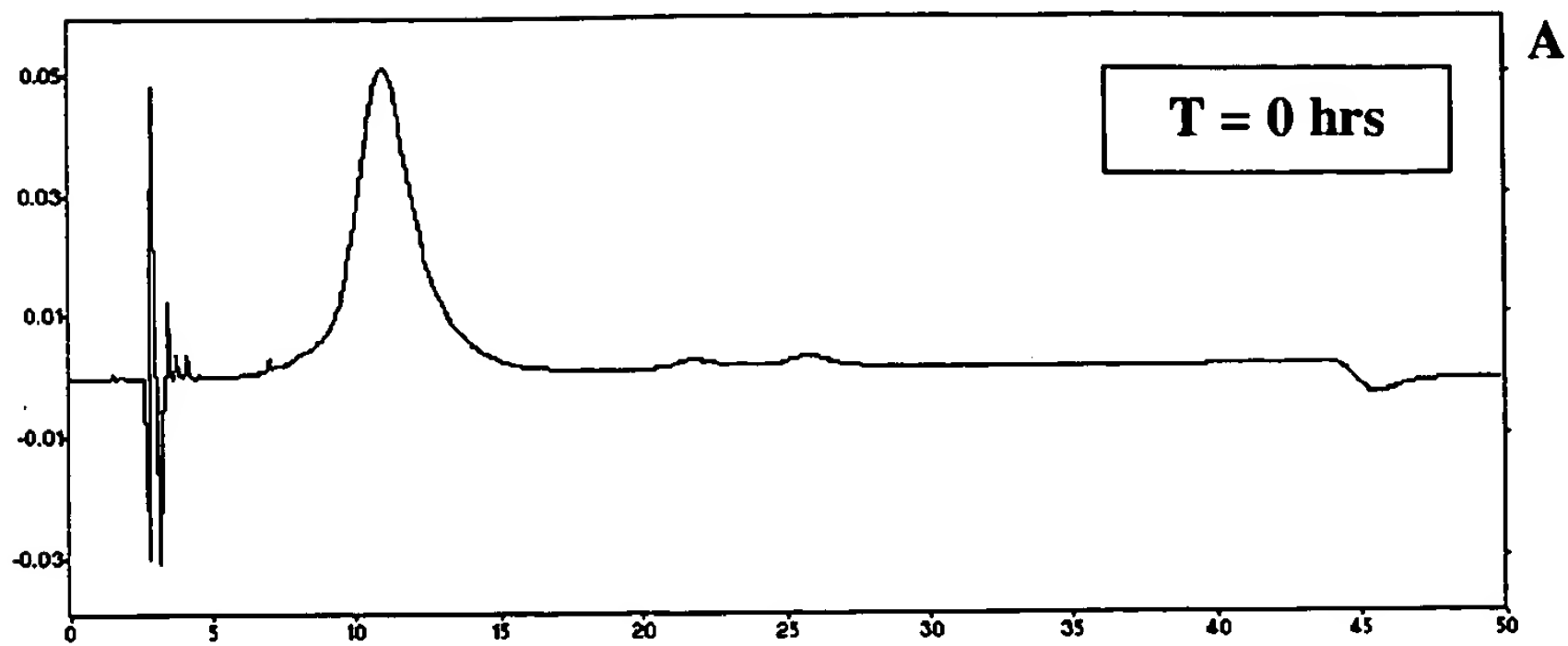


FIG. 10

Absorbance



Retention time, min

FIG. 11

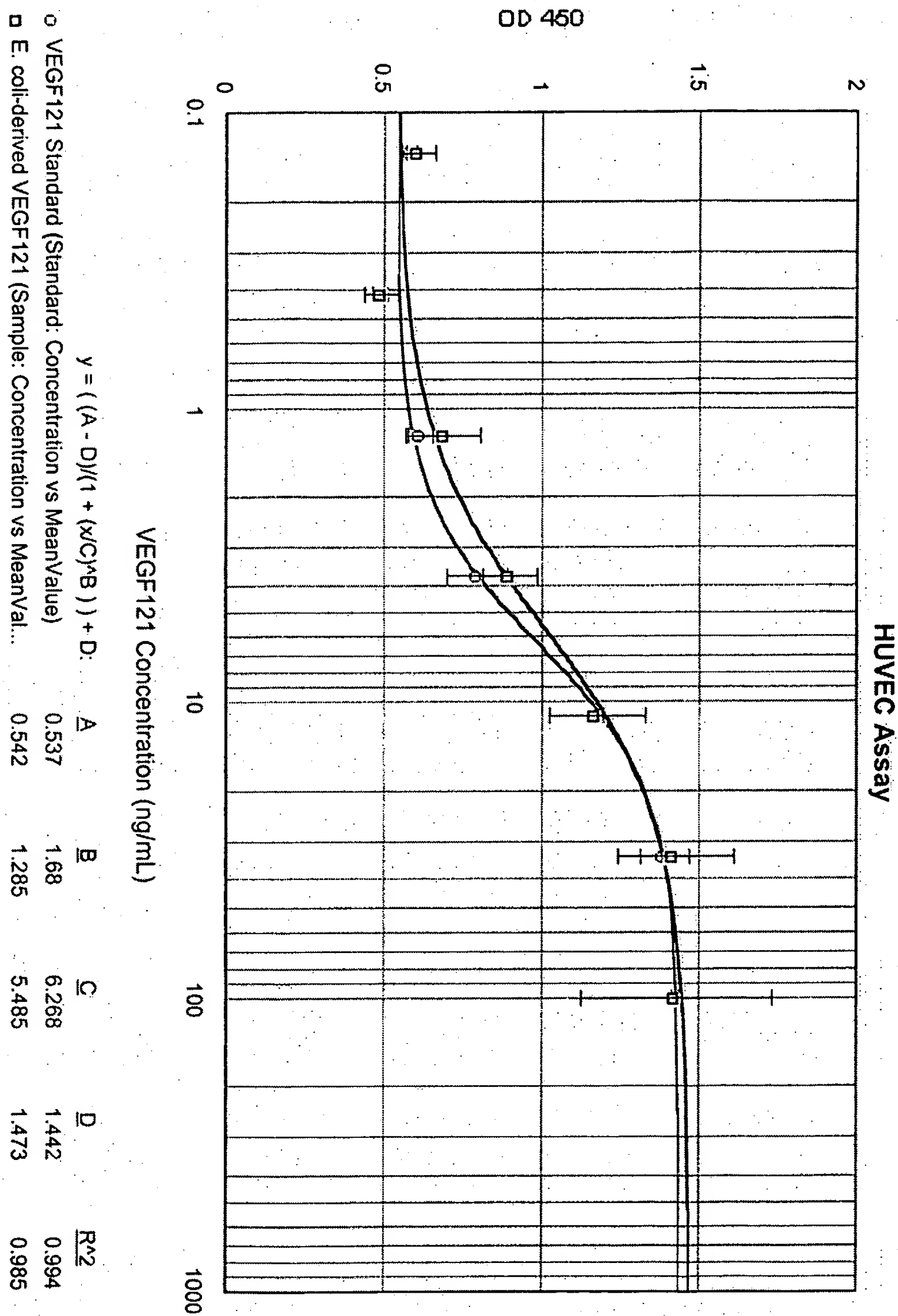


FIG. 12